(19) World Intellectual Property Organization

Organization
International Bureau



(43) International Publication Date 23 December 2004 (23,12,2004)

PCT

(10) International Publication Number WO 2004/110982 A1

(51) International Patent Classification⁷: C07C 231/08, 235/00

(21) International Application Number:

PCT/S12004/000966

(22) International Filing Date: 16 June 2004 (16.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English.

(30) Priority Data: 0314134.8

18 June 2003 (18.06.2003) GB

(71) Applicant (for all designated States except US): AS-TRAZENECA AB [SI/SE]; S-151 85 Södertälje (SI).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): AURELL, Carl-Johan [SE/SE]; Astra/zeneca R & D Södertälje, S-151 85 Södertälje (SE). MACEDO, Emmanuel [FR/SE]; Astra/zeneca R & D Södertälje, S-151 85 Södertälje (SE). MINIDIS, Anna [SE/SE]; Astra/zeneca R & D Södertälje, S-151 85 Södertälje (SE). YOUSEFI-SALAKDEH, Esmall [IR/SE]; Astra/zeneca R & D Södertälje, S-151 85 Södertälje (SE).
- (74) Agent: ASTRAZENECA; Global Intellectual Property, S-151 85 Södentälje (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, 17, FR, GB, GR, HU, HE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ. CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG. ES. FI, GB, GD, GE, GH, GM, FIR, HU, ID, IL, IN, IS, JP. KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG. MK. MN. MW. MX. MZ. NA. NI. NO. NZ. OM. PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM. TN. TR. TT. TZ. UA. UG. UZ. VC. VN. YU. ZA. ZM. ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG. CH. CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU. MC, NL, PL, PT, RO, SE, SI, SK, TR), CAPI patent (BE. BJ. CF. CG. CI, CM, GA, GN, GQ, GW, MI, MR, NE, SN. TD. TG1

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Tide: PROCESSES FOR PREPARING (2S)-3-(4-{2-[AMINO]-2-OXOETHOXY]PHENYL)-2-ETHOXYPROPANOIC ACID DERIVATIVES

(57) Abstract: The present invention provides a process for the preparation of a compound of formula I [Chemical formula should be inserted here. Please see paper copy] in which a compound of formula II [Chemical formula should be inserted here. Please see paper copy] in which R is H or OR represents a protecting group for a carboxylic hydroxy group is reacted with a compound of formula III C₆II₁₃X wherein X is a leaving group, in the presence of a base in the presence of an inert solvent at a temperature in the range -25°C to 150°C and optionally, when OR represents a protecting group, removal of the protecting group.

2004/110982